

Appln. No. 10/623,253
Amendment dated August 16, 2005
Reply to Office Action of June 15, 2005

REMARKS/ARGUMENTS

Reconsideration of the present application, as amended, is respectfully requested.

The June 15, 2005 Office Action and the Examiner's comments have been carefully considered. In response, claims are amended and remarks are set forth below in a sincere effort to place the present application in form for allowance. The amendments are supported by the application as originally filed. Therefore, no new matter is added.

CLAIM AMENDMENTS

Claims 1 and 2 are amended to place the claims in better form for consideration by the Examiner and to place the claims in better form for allowance. The amendments made to claims 1 and 2 do not relate to the patentability of the invention.

PRIOR ART REJECTIONS

In the Office Action claims 1 and 2 are rejected under 35 USC 102(b) as being anticipated by USP 2,351,329 (Gerstenmaier et al.), USP 5,955,017 (Foffano et al.) and USP 2,976,573 (Davis).

According to Figs. 1-4 of the present application, a molded product (1) including an insert is formed such that an insert (3)

Appln. No. 10/623,253
Amendment dated August 16, 2005
Reply to Office Action of June 15, 2005

made of resin material is placed in a molding space (12) which is provided by an upper die (10) and a lower die (11). Then, melted rubber is injected into the molding space (12) to form a molded body (2) while embedding the insert (3) in the molded body (2).

The insert (3) includes an insert body (4) which is embedded in the molded body (2) and a removing part (5) which is integrally formed with the insert body (4) at its one end, and a thin part (6) between the insert body (4) and the removing part (5). One end of the removing part (5) is integrally connected to the insert body (4) via the thin part (6) while the other end of the removing part (5) projects as a non-front surface (9) side which is not seen from the outside. The removing part (5) is easily removed from the insert body (4) after release from the die mold by cutting the thin part (6) with a force.

According to the present invention the removing part (5) and the insert body (4) are integrally formed including the thin part (6) between them in order to perform an easy removing operation during manufacture of the molded product.

Figure 2 illustrates an example of an insert (3) in which grooves are formed on both sides of the insert (3) in order to form a thin part (6) while Figure 4 illustrates an insert (3) in which a groove is formed at one side of the insert (3) forming a thin part (6). Although the groove may be formed in one side or

Appln. No. 10/623,253
Amendment dated August 16, 2005
Reply to Office Action of June 15, 2005

both sides of the insert (3), it is preferable to make the thin part (6) have a thickness of approximately one half of the rest of the insert (3).

In the present claimed invention, the insert includes an insert body embedded in the molded body and a removing part which is integrally formed with the insert body and coupled to the insert body via a thin part at a first end while a second end is projected to expose at a non-front surface side, and the removing part is removed from the insert body by cutting the thin part after being released from the die mold. See claim 1, lines 5-8 and 12-13, and claim 2, lines 5-9 and 13-15.

None of the cited references discloses the thin part 6 recited in claims 1 and 2.

* * * * *


Entry of this Amendment, allowance of the claims and the passing of this application to issue are respectfully solicited.

If the Examiner disagrees with any of the foregoing, the Examiner is respectfully requested to point out where there is support for a contrary view.

Appln. No. 10/623,253
Amendment dated August 16, 2005
Reply to Office Action of June 15, 2005

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,



Robert P. Michal
Reg. No. 35,614

Frishauf, Holtz, Goodman & Chick, P.C.
220 Fifth Avenue
New York, New York 10001-7708
Tel. (212) 319-4900
Fax (212) 319-5101
RPM/ms